

# Implementing a Watershed-Based Plan Part 1



## A Few Things to Consider When Implementing a Watershed-Based Plan:

- Obtain financial and technical assistance
- Develop and conduct a monitoring plan (pre-project and post-project)
- Implement public outreach, education, and involvement plan
- Implement management strategies (BMPs)
- Evaluate watershed-based plan, make changes if necessary

## Identify Funding Sources

- CWA Section 319 Grants for Tribes
- CWA Section 319 Grant Programs through States for Tribes
- NRCS
- Other agencies within the Tribe
- Financial support from stakeholders (public and private)

Funding and Leveraging Resources will be discussed more tomorrow.

3

## Identify Technical Assistance

- Federal agencies such as NRCS, BLM, USFS, USFWS, and more...
- Other agencies within the Tribe (Natural Resources, Cattlemen Association, etc...)
- Local colleges and universities
- Private consultants/contractors

4

## Monitoring – Why Should We Monitor?

Helps identify areas of concern within watershed:

- Research historical and existing data first. Can use Worksheet #4-1 “What Do We Already Know?”
- Monitor within the watershed to determine areas that are impaired
- Identify what water quality pollutants are causing impairments and possible sources

Use monitoring data to analyze trends and develop trend analysis to track project effectiveness

5

## Monitoring - What Should We Monitor?

- Water Quality Indicators that:
  - Characterize the watershed
  - Define and/or refine your understanding of the problem(s), such as water quality criteria violations, etc.
  - Show changes in targeted water quality or habitat conditions
  - Efficiently provide effective management information

6



## Monitoring Plan

- Identify and meet interim measurable milestones
  - Water quality parameter target level
  - Can use Worksheet #12-2 "Developing Criteria to Measure Progress and Meeting Water Quality Goals"
- Conduct Monitoring
  - Measure your chosen water quality indicators
  - Who will do the monitoring? (106 program staff)
  - Conduct pre-project and post-project monitoring
  - Analyze data and develop trend analysis

7

Work with stakeholders and conduct outreach and education activities on monitoring and implementing NPS BMPs

To be discussed more later today...

8

## Implement Management Strategies

- Prioritize projects considering the following:
  - Importance of waterbody
  - Magnitude of impairment(s)
  - Existing impacts (stressors and sources)
  - Ability of BMPs to reduce impacts
  - Feasibility of implementation
  - Additional benefits

9

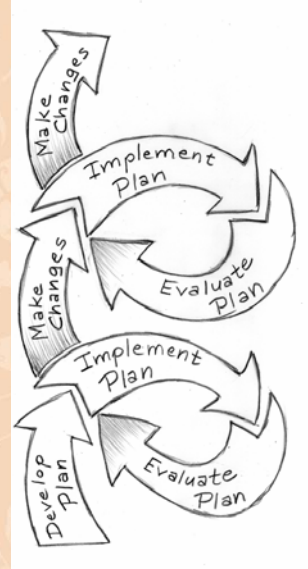
## Implement Management Strategies

- Follow a reasonably expeditious schedule:
  - Who is going to do something?
  - What are they going to do?
  - Where will they do it?
  - When will they do it?
  - How will they do it?
- Do not do everything simultaneously

10

## Finally...Adapt and Make Adjustments

- Monitor water quality and BMP implementation
  - Compare results to goals
  - Are you making progress?
  - Are you meeting your goals?
- Adjust!
  - If you aren't meeting implementation milestones
  - If you aren't making progress toward reducing pollutant loads....



## During implementation, remember:

- **Plans are guides**, not straitjackets
- Be aware of **unforeseen opportunities**
- Picking the low-hanging fruit is easy, but it helps to build a **sense of progress & momentum**
- If possible, **work quietly** for as long as you can on the most contentious issues